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CURRENT SERIAL RECORDS

**WATER SUPPLY OUTLOOK**  
and  
**FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS**  
for  
**UTAH**

UNITED STATES DEPARTMENT of AGRICULTURE--SOIL CONSERVATION SERVICE,  
and  
STATE ENGINEER of UTAH

In cooperation with U.S. Forest Service, Bureau of Reclamation,  
Utah Fish and Game Dept., Utah Agricultural Experiment Station,  
U.S. National Park Service, U.S. Geological Survey; and other  
Federal, State, and private organizations.

||||||| AS OF |||||  
**MAR. 1, 1964**



# UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

## To Recipients of Water Supply Outlook Reports:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from advance estimates of the streamflow.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, up to 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1400 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

Streamflow forecasts are obtained by a comparison of total or maximum snow accumulation, as measured by snow water equivalent, to the subsequent spring and summer or snowmelt season runoff over a period of years. The snow water equivalent measured in selected snow courses provides most of the index to the streamflow forecast for the following season. More accurate forecasts are usually obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast procedure. Early season forecasts assume average climatic conditions through the snowmelt season.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions. Soil Conservation Service Reports may be secured from Water Supply Forecasting Unit, Soil Conservation Service, P.O. Box 2807, Portland, Oregon 97208.

### PUBLISHED BY SOIL CONSERVATION SERVICE

<u>REPORTS</u>	<u>ISSUED</u>	<u>LOCATION</u>	<u>COOPERATING WITH</u>
<b>RIVER BASINS</b>			
WESTERN UNITED STATES _____	MONTHLY (FEB.-MAY) _____	PORTLAND, OREGON _____	ALL COOPERATORS
BASIC DATA SUMMARY _____	OCTOBER 1 _____	PORTLAND, OREGON _____	ALL COOPERATORS
<b>STATES</b>			
ALASKA _____	MONTHLY (MAR.-MAY) _____	PALMER, ALASKA _____	ALASKA S.C.D.
ARIZONA _____	SEMI-MONTHLY _____ (JAN.15 - APR.1)	PHOENIX, ARIZONA _____	SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
COLORADO AND NEW MEXICO _____	MONTHLY (FEB.-MAY) _____	FORT COLLINS, COLORADO _____	COLO. STATE UNIVERSITY COLD. STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO _____	MONTHLY (JAN.-JUNE) _____	BOISE, IDAHO _____	IDAHO STATE RECLAMATION ENGINEER
MONTANA _____	MONTHLY (JAN.-JUNE) _____	BOZEMAN, MONTANA _____	MONT. AGR. EXP. STATION
NEVADA _____	MONTHLY (JAN.-MAY) _____	RENO, NEVADA _____	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES - DIVISION OF WATER RESOURCES
OREGON _____	MONTHLY (JAN.-JUNE) _____	PORTLAND, OREGON _____	OREG. STATE UNIVERSITY OREGON STATE ENGINEER
UTAH _____	MONTHLY (JAN.-JUNE) _____	SALT LAKE CITY, UTAH _____	UTAH STATE ENGINEER
WASHINGTON _____	MONTHLY (FEB.-JUNE) _____	SPokane, WASHINGTON _____	WN. STATE DEPT. OF CONSERVATION
WYOMING _____	MONTHLY (FEB.-JUNE) _____	CASPER, WYOMING _____	WYOMING STATE ENGINEER

### PUBLISHED BY OTHER AGENCIES

<u>REPORTS</u>	<u>ISSUED</u>	<u>AGENCY</u>
BRITISH COLUMBIA _____	MONTHLY (FEB.-JUNE) _____	WATER RESOURCES SERVICE, DEPT. OF LANDS, FOREST AND WATER RESOURCES, PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA _____	MONTHLY (FEB.-MAY) _____	CALIF. DEPT. OF WATER RESOURCES, P.O. BOX 388, SACRAMENTO, CALIF.

**WATER SUPPLY OUTLOOK**  
and  
**FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS**  
for  
**UTAH**

MARCH 1, 1964

*Report prepared by*

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# PROSPECTIVE WATER SUPPLIES

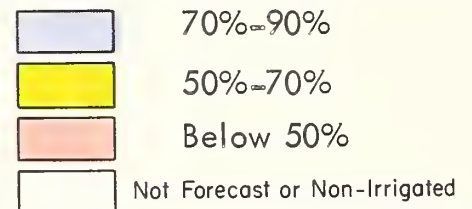
Based on Snow Surveys Made on  
UTAH and BEAR RIVER WATERSHEDS

MARCH 1, 1964

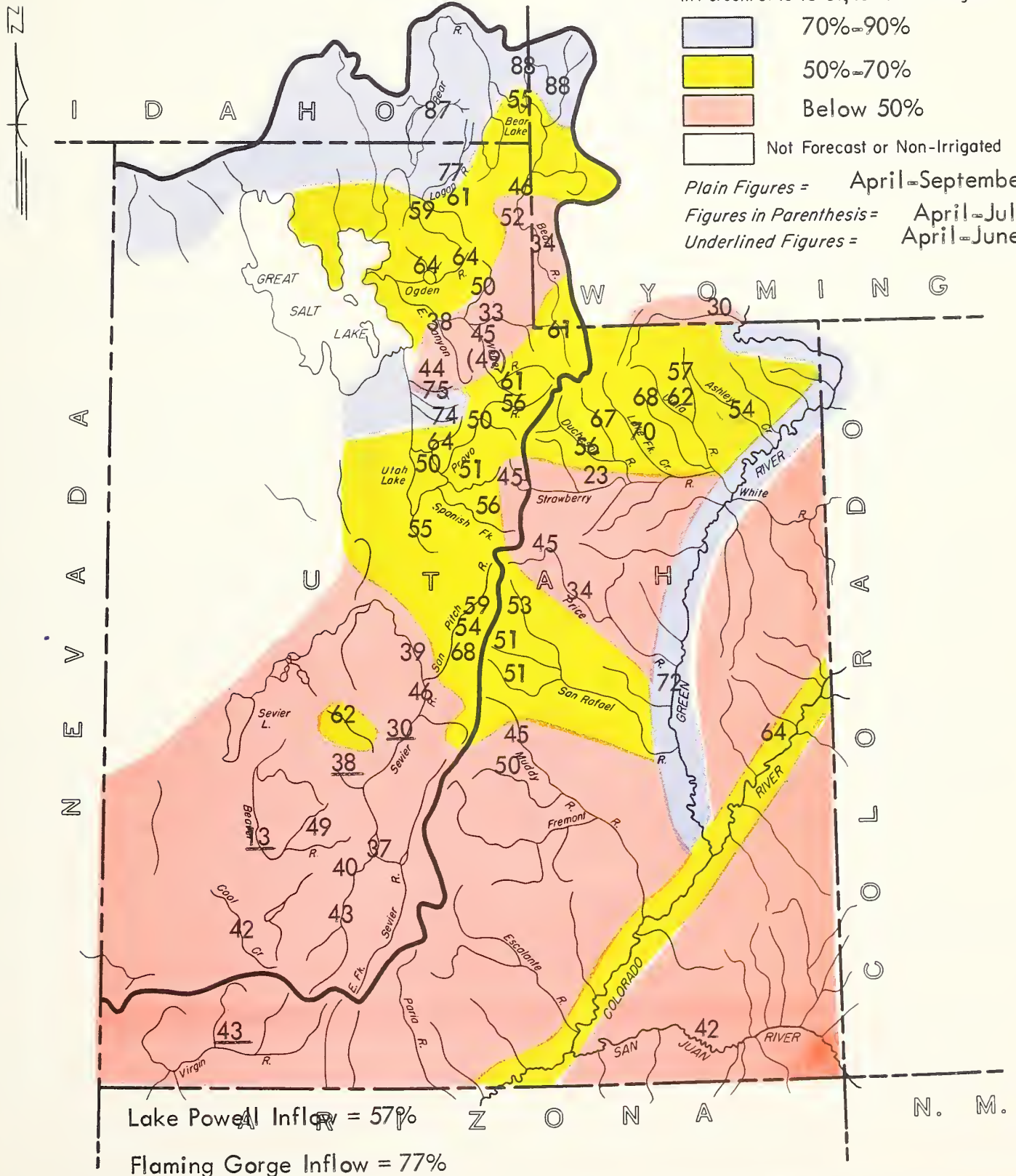
Approximate Date



FORECAST STREAM FLOW  
in Percent of 1943-57, 15 Year Average



Plain Figures = April-September  
Figures in Parenthesis = April-July  
Underlined Figures = April-June







# WATER SUPPLY OUTLOOK

as of

MARCH 4, 1964

\* \* \* \* \*

\* The water supply outlook for southern Utah is very \*  
\* poor. In northern areas the outlook is for generally \*  
\* adequate supplies for water users owning reservoir \*  
\* storage water, and fair to poor for those dependent \*  
\* on natural flow rights. \*

\* \* \* \* \*

Extremely light snowpack accumulation during February on nearly all watersheds of the state has resulted in marked lowering of forecasts for next summer's streamflow. Now, forecasts for most streams range between one third and two thirds of their usual flow.

An exception to the general water picture exists on the Cottonwood Creeks near Salt Lake, the streams near Tooele and on the Logan river. Here the outlook is better, with streams expected to yield about 70% to 80% of average.

February snowfall generally varied between 10% and 35% on the watersheds of the Uintah Basin and southern Utah. On northern and central watersheds, snowfall was about 25% to 50%. Notable exceptions occurred in the Sheep Creek-Lost Creek area southeast of Salina where the month's snowfall was 113% to 122%. Near Tooele, on Mt. Nebo and on Chalk Creek east of Coalville it ranged from 75% to 90% for the month.

The outlook for the summer's streamflow is particularly poor for southern Utah, where streams are expected to yield essentially the same as they did during last year's drought. On southern and eastern watersheds, eight snow courses have set new record low readings, while many courses have only one or two years when slightly lower March 1st readings have been made.

Several examples of these low readings follow. At the Buckboard Flat snow course near Monticello only 3.4 inches snow water was measured. The previous low was 5.4 inches measured in 1963, and compares with the average of 13.3 inches. At Camp Jackson near Blanding, this year's reading of 1.9 inches snow water compares with the previous low of 3.4 inches measured in 1961 and with the average of 12.0 inches.

The reading at Cedar Breaks, near the head of the Virgin and Sevier rivers, is typical of snowpack conditions in southwestern areas. Here the reading this month was 5.8 inches snow water. Last year's reading (1963) was lowest of record, with 5.0 inches. The second lowest previous reading was 10.4 inches measured in 1959. Average for March 1 is 19.2 inches.

Forecasts range between about 30% and 50% for the following streams - the Sevier, Virgin, Beaver, Paria, Escalante, Fremont and Muddy rivers in southwestern Utah; streams in the Moab, Monticello, Blanding area, the Price river, Strawberry



## WATER SUPPLY OUTLOOK (continued)

reservoir inflow, East Canyon Creek near Morgan, Lost Creek near Croydon, Chalk Creek and the Weber river at Coalville, the Bear river and smaller tributaries near Woodruff and Randolph.

Inflow to Rockyford reservoir on the Beaver river near Minersville is forecast at 13%, while the Strawberry river at Duchesne is expected to yield 23%. Streams in East Carbon county and on the south side of the Uintah Basin should yield between 10% and 35% of average.

Although inflow to Utah Lake is expected to be only 50%, when combined with present storage (see reservoir storage table, page 6), the total water available should be nearly adequate for most uses unless dry spring and summer weather is experienced. The same statement applies for water users served by the Strawberry reservoir where an inflow of 45% is expected. By the end of the summer both of these reservoirs are expected to be drawn down about as far as possible.

Streams which are expected to produce between 50% and 70% of average include the following - Chalk Creek near Fillmore, San Pitch and San Rafael river tributaries, all streams flowing into Utah Lake, all northern streams of the Uintah Basin, the upper Weber and Bear rivers, the Ogden river, Little Bear and Blacksmith Fork in Cache Valley.

As reported by the U.S. Geological Survey, low reservoir storage values fail to brighten the water outlook for southern areas. In northern areas, however, above normal storage water assures fairly adequate supplies for those having a right to the water. In these northern areas, those who have only a natural flow right can expect mild to serious shortages of late season water.

In reviewing the above forecasts it should be remembered that they are made with the assumption that average weather conditions will prevail during the spring and summer months. If the dry weather experienced thus far this winter should continue, actual streamflow will be considerably below what is now expected. Before average streamflow could occur, mountain snowfall would have to be from about 150% to 300% of normal for the next two or three months.





# UTAH STREAMFLOW FORECASTS <sup>a</sup> ( 1,000 Ac. Ft. )

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE <sup>b</sup>	THIS YEAR AS PERCENT OF AVERAGE
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## GREAT BASIN

### BEAR RIVER SYSTEM

Bear nr Ut-Wyo. State Line	75	Apr-Sept	- -	123	61
Bear near Woodruff	45	Apr-Sept	- -	133	34
Woodruff Crk nr Woodruff, Utah	10	Apr-Sept	- -	19.4*	52
Big Crk nr Randolph, Utah	4.5	Apr-Sept	- -	9.7*	46
Bear near Randolph	10	Apr-Sept	- -	115	9
Smith's Fork nr Border, Wyo.	105	Apr-Sept	- -	119	88
Bear at Harer, Idaho	165	Apr-Sept	- -	299	55
Little Bear nr Paradise	27	Apr-Sept	- -	46	59
Logan nr Logan (1)	110	Apr-Sept	103	143	77
Blacksmith Fork nr Hyrum (2)	41	Apr-Sept	- -	67	61

### WEBER-OGDEN RIVERS

Weber nr Oakley	62	Apr-June	82	107	58
	82	Apr-Sept	102	134	61
Wanship Reservoir Inflow (3)	64	Apr-July	- -	130*	49
Weber nr Coalville (4)	65	Apr-Sept	- -	143	45
Chalk Crk at Coalville	14	Apr-Sept	19.4	42	33
Lost Crk nr Croydon, Utah	10	Apr-Sept	10.7	19.9	50
East Canyon Crk nr Morgan (5)	11	Apr-Sept	11.8	28.7	38
So. Fork Ogden nr Huntsville	45	Apr-Sept	- -	70	64
Pineview Reservoir Inflow (6)	91	Mar-July	93	142	64

### PROVO RIVER & UTAH LAKE

Strawberry Reservoir Inflow (7)	25	Apr-Sept	- -	56	45
Spanish Fork at Thistle	24	Apr-Sept	- -	43	56
Payson Creek nr Payson	4.4	Apr-Sept	- -	8.0*	55
Hobble Crk nr Springville	12	Apr-Sept	- -	23.7*	51
Provo nr Hailstone (8)	65	Apr-Sept	- -	116 *	56
Provo at Vivian Park (9)	80	Apr-Sept	12.0	159	50
American Fork nr American Fork	23	Apr-Sept	25	36	64
Utah Lake Inflow	160	Apr-Sept	207	317	50

### JORDAN RIVER & SALT LAKE

Little Cottonwood Crk nr SLC	29	Apr-Sept	36	39	74
Big Cottonwood nr SLC	30	Apr-Sept	33	40	75
Parley's Crk nr SLC	6.5	Apr-Sept	7.1	14.7	44

(1) Includes U.P. & L. Co. tailrace and Logan, Hyde Park & Smithfield Canal. (2) Above Utah Power & Light Company's dam. (3) Observed flow Weber River near Wanship, Utah, plus change in storage in Wanship Reservoir, plus diversion by Weber-Provo Canal. (4) Includes diversion by Weber-Provo Canal and change in storage in Wanship Reservoir. (5) Observed flow plus change in storage in East Canyon Reservoir. (6) Inflow record as computed by U.S. Bureau of Reclamation. (7) Change in storage plus diversion thru Strawberry tunnel. (8) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal. (9) Observed flow plus change in Storage in Deer Creek reservoir, minus diversions thru Duchesne tunnel & Weber-Provo Canal, plus diversion thru Salt Lake Aqueduct.



# UTAH STREAMFLOW FORECASTS <sup>a</sup> ( 1,000 Ac. Ft. )

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE <sup>b</sup>	THIS YEAR AS PERCENT OF AVERAGE
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## SEVIER RIVER

Sevier at Hatch	13	Apr-June	16.2	35	37
	21	Apr-Sept	25.0	49	43
Sevier nr Circleville	17	Apr-Sept	- -	43*	40
Sevier nr Kingston	3	Apr-June	2.7	24.6	12
	5	Apr-Sept	4.8	29.7	17
East Fork Sevier nr Kingston (10)	3.5	Apr-June	5.5	17.2	20
	8	Apr-Sept	10.2	21.6	37
Sevier below Piute Dam (11)	14	Apr-Sept	14.9	51	27
Clear Crk nr Sevier (abv. Div.)	6	Apr-June	- -	15.9*	38
Inflow					
Kingston to Vermillion Dam	14	Apr-June	- -	47	30
Vermillion Dam to Gunnison	29	Mar-June	- -	63	46
Salina Crk at Salina (12)	1	Apr-June	- -	9.4*	11
Sevier nr Gunnison a	25	Apr-Sept	24.3	64	39
Chalk Creek nr Fillmore	12.5	Apr-Sept	- -	20.3	62

## SAN PITCH RIVER

Pleasant Crk nr Mt. Pleasant	6	Apr-Sept	- -	10.2*	59
Twin Crk nr Mt. Pleasant	2.7	Apr-Sept	- -	5.0*	54
Ephraim Creek nr Ephraim	10.7	Apr-Sept	- -	15.7	68

## BEAVER RIVER

Beaver nr Beaver	11.5	Apr-June	10.6	22.3	52
	14.5	Apr-Sept	14.4	29.4	49
Rockyford Reservoir Inflow (13)	1.2	Apr-June	- -	9.2	13

## COAL CREEK

Coal Crk nr Cedar City	7	Apr-Sept	- -	16.6	42
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## COLORADO RIVER BASIN

### GREEN RIVER TRIBUTARIES IN UTAH

### FLAMING GORGE TO DUCHESNE RIVER

Henry's Fork at Linwood	12	Apr-Sept	- -	40	30
Ashley Creek nr Vernal	32	Apr-Sept	- -	59	54

(10) Observed flow plus change in storage in Otter Creek Reservoir. (11) Observed flow plus change in storage in Otter Crk & Piute Reservoirs. (12) Gage is below diversions near Salina. (13) Observed flow at Rockyford Dam, corrected for change in storage in Rockyford Reservoir. (14) Observed flow plus diversion through Duchesne Tunnel. (15) Observed flow plus change in storage in Moon Lake Reservoir.





# UTAH STREAMFLOW FORECASTS <sup>a</sup> ( 1,000 Ac. Ft. )

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE <sup>b</sup>	THIS YEAR AS PERCENT OF AVERAGE
<u>DUCHESNE RIVER</u>					
Duchesne at Provo River (Trail nr Hanna)	25	Apr-Sept	- -	42*	60
Duchesne nr Tabiona (14)	70	Apr-Sept	- -	124	56
Rock Crk nr Mtn. Home	72	Apr-Sept	- -	109	67
Strawberry at Duchesne	18	Apr-Sept	- -	79	23
Lakefork below Moon Lake (15)	55	Apr-Sept	- -	78	70
Yellowstone nr Altonah	54	Apr-Sept	- -	79*	68
Uinta nr Neola	63	Apr-Sept	- -	101	62
Whiterocks nr Whiterocks	38	Apr-Sept	55	57	57
<u>PRICE RIVER</u>					
Gooseberry Crk nr Scofield	6.5	Apr-Sept	- -	12.6	52
Scofield Reservoir Inflow (16)	18	Apr-Sept	- -	40	45
Price nr Heiner (16)	24	Apr-Sept	- -	70	34
<u>SAN RAFAEL RIVER</u>					
Huntington Crk nr Huntington	31	Apr-Sept	- -	59	53
Cottonwood Crk nr Orangeville	30	Apr-Sept	- -	59	51
Ferron Crk nr Ferron	22	Apr-Sept	- -	43*	51
<u>MUDDY RIVER</u>					
Muddy Creek nr Emery	10.5	Apr-Sept	- -	23.1*	45
Ivie Creek abv. Div. nr Emery	0.9	Apr-Sept	- -	1.8*	50
<u>VIRGIN RIVER</u>					
Virgin nr Virgin	19	Apr-June	18.0	44	43
<u>UPPER COLORADO BASIN</u>					
Colorado nr Cisco, Utah	2600	Apr-Sept	1555	4059	64
Flaming Gorge Inflow (17)	990	Apr-July	645	1285	77
Green at Green River, Utah (17)	2560	Apr-Sept	1835	3540	72
San Juan nr Bluff, Utah (18)	515	Apr-Sept	565	1226	42
Lake Powell Inflow (a)	4600	Apr-July	3679	8100	57

(a) Observed flow at Lee's Ferry plus change in storage in Flaming Gorge, Navajo, Lake Powell and Big Sandy.

(16) Observed flow plus change in storage in Scofield Reservoir. (17) Observed flow plus change in storage in Flaming Gorge and Big Sandy Reservoirs. (18) Observed flow plus change in storage in Navajo Reservoir.

## GENERAL FOOTNOTES

(a) Runoff forecasts are based principally on mountain snow cover and on the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts. The discharge data is taken from preliminary records of the U.S. Geological Survey. (b) 1943-57, 15 year period. \*Partly estimated.

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# RESERVOIR STORAGE ( 1,000 Ac. Ft. )

BASIN or STREAM	RESERVOIR	USABLE CAPACITY	MEASURED ( FIRST OF MONTH)		
			THIS YEAR	LAST YEAR	AVERAGE <sup>a</sup>

## GREAT BASIN

<u>Bear River</u>	Bear Lake	1421.0	724.0	761.4	815.6
	Woodruff Narrows	26.5	13.8	18.5	- -
<u>Little Bear</u>	Hyrum	15.3	11.7	12.6	10.7
	Porcupine	11.3	- -	3.5	- -
<u>Ogden</u>	Pineview	110.0	48.8	63.5	7.2
<u>Weber</u>	Rockport	60.9	25.7	33.6	- -
	Echo	73.9	38.4	37.5	28.5
	East Canyon	28.7	19.5	19.4	16.0
<u>Provo</u>	Deer Creek	149.7	96.0	120.9	82.3
<u>Spanish Fork</u>	Strawberry	270.0	54.5	52.6	134.3
<u>Utah Lake</u>	Utah Lake (b)	1149.0	288.9	277.5	614.2
<u>Sevier River</u>	Otter Creek	52.5	17.0	22.4	31.9
	Piute	74.0	21.0	28.9	46.4
	Sevier Bridge	236.1	45.8	57.8	150.4
<u>Beaver River</u>	Rocky Ford	23.3	7.4	8.6	15.3

## COLORADO RIVER DRAINAGE

<u>Ashley Creek</u>	Steinaker	33.3	9.4	15.3	- -
<u>Lake Fork</u>	Moon Lake	35.8	20.3	15.9	13.9
<u>Price River</u>	Scofield	65.8	10.3	18.1	16.1
<u>Green</u>	Flaming Gorge	3789.0*	863.7	66.4	- -
<u>San Juan</u>	Navajo	1709.0*	326.7	102.6	- -
<u>Colorado</u>	Lake Powell	27,000.0*	3,119.0	77.5	- -

All data contained in this table supplied by the U. S. Geological Survey

\* - Total capacity reported

(a) 1943-57 average. (b) Active capacity taken at 3.1 feet above compromise point. (c) Partly estimated.





# COMPARISON of SNOW COVER

RIVER BASIN or TRIBUTARY WATERSHED	NO. of COURSES AVERAGE	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF :	
		LAST YEAR	AVERAGE *

## GREAT BASIN

Smith's Fork - Bear River(Wyo)	5	109	85
Strawberry-Mink Creeks(Ida)	3	318	73
Cub River (Ida)	2	181	85
Logan River	3	150	76
Blacksmith Fork-Little Bear	5	202	68
Malad River (Idaho)	2	- -	84
Ogden River	4	279	71
Weber River above Echo Dam	8	111	58
Chalk Creek - Coalville	3	266	70
East Canyon Creek	3	127	63
Farmington Creek	2	169	68
Salt Lake Area	4	128	64
Tooele Area	1	550	97
American Fork River	3	154	53
Provo River above Vivian Park	6	99	54
Strawberry Reservoir Valley	3	106	49
Hobble Creek	2	210	64
Mt. Nebo Area	2	258	79
Sevier River above Panguitch	5	146	33
East Fork Sevier River	4	107	37
Clear Creek above Sevier	1	117	54
Salina Creek	2	132	89
San Pitch River	6	91	61
Chicken Creek - Levan	1	140	71
Chalk Creek - Fillmore	2	280	77
Beaver River	3	85	32
Parowan Creek	3	133	43
Coal Creek - Cedar City	4	185	36
Enterprise - New Harmony	1	170	30

## COLORADO RIVER BASIN

Duchesne River above Tabiona	3	90	50
Strawberry River	4	98	42
Lakefork River	2	90	40
Whiterocks-Uintah Rivers	3	90	31
Ashley Creek	4	119	35
Price River	7	91	43
San Rafael Tributaries	4	77	51
Fremont River	4	148	51
Escalante River	2	102	35
Virgin River	4	220	31
LaSal Mtns. near Moab	2	50	34
Blue Mtns. nr Monticello	2	49	21

\* Actual or Estimated 1943-57, 15 year Average.



# SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

## GREAT BASIN DRAINAGE

### UPPER BEAR RIVER (Above Harer, Idaho)

Big Park	10G11	8700	2/24	49	14.1	14.1	17.2*
CCC Camp x	10G7	7500	2/27	38	9.6	7.8	10.4
Kelly Ranger Station	10G12	8200	2/24	46	13.6	11.9	- -
Monte Cristo R. S.	11H12	8960	2/26	49	14.5	14.8	22.7*
Piney LaBarge x	10G10	8820	2/25	44	13.4	15.6	17.5*
Poison Meadows x	10G6	8500	2/26	61	19.0A	21.0A	25.2*
Salt River Summit x	10G8	7900	2/28	45	12.5	10.4	13.6*
Trial Lake x	10J8	9800	2/28	46	12.1	16.0	23.4*

### LOWER BEAR RIVER (Below Harer, Idaho)

Beaver Crk-Skunk Crk	11H14	7150	2/26	31	7.6	3.9	11.6*
Christensen Ranch	11G11	5600	2/26	28	7.1	0.0	9.4*
Cub River R. S.	11G12	5400	2/26	30	8.3	0.0	8.9*
Dry Bread Pond x	11H13	8230	2/26	37	10.0	10.8	16.7*
Dry Creek Flat	12G4	6350	2/25	29	7.0	0.0	7.2*
Emigration Canyon	11G7	6500	2/25	28	7.0	6.7	- -
Emigrant Summit	11G6	7700	2/25	56	15.4	14.6	- -
Garden City Summit	11H7	7600	2/27	41	12.2	11.0	17.4*
Klondike Narrows	11H1	7400	2/28	46	13.8	10.5	16.7*
Little Bear (lower)	11H26	6100	2/25	32	7.2	0.0	8.0*
Little Bear (upper)	11H25	6850	2/25	32	8.2	1.6	10.2*
Monte Cristo R. S.	11H12	8960	2/26	49	14.5	14.8	22.7*
Oxford Mountain	12G3	6800	2/25	29	6.4	4.6	9.0*
Slug Creek Divide	11G5	7225	2/25	43	12.0	11.2	- -
Steep Hollow #1	11H27	8500	2/28	74	24.4	22.2	- -
Steep Hollow #2	11H28	7700	2/28	57	18.5	17.9	- -
Strawberry Creek	11G9	5800	2/27	35	8.3	1.3	11.4*
Strawberry Mink Divide	11G10	6800	2/27	51	14.4	6.8	19.8*
Tony Grove R. S.	11H3	6250	2/28	31	8.5	4.1	11.2*
Willow Flat	11G4	6100	2/26	43	12.6	5.5	14.6

### OGDEN RIVER

Beaver Crk-Skunk Crk.	11H14	7150	2/26	31	7.6	3.9	11.6*
Ben Lomond (lower)	11H9	5850	2/27	40	11.7	1.6	12.3*
Ben Lomond Peak	11H8	8000	2/27	66	21.5	18.8	28.5*
Ben Lomond Trail	11H30	6000	2/27	43	12.3	3.2	- -
Cutler Creek	11H29	6780	2/27	56	18.0	13.2	- -
Dry Bread Pond	11H13	8230	2/26	37	10.0	10.8	16.7*
Horse Ridge	11H21	8260	2/24	44	13.1	13.4	- -
Monte Cristo R. S.	11H12	8960	2/26	49	14.5	14.8	22.7*
Sagebrush Flat	11H15	6300	2/26	22	5.6	T	5.0*

(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. \* Estimated 1943-57, 15 year average.





# SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

## WEBER RIVER

Beaver Creek R.S.	11J24	7500	2/28	21	4.7	4.8	8.4*
Chalk Creek #1	11J1	9100	2/25	50	12.2	15.3	20.8*
Chalk Creek #2	11J2	8000	2/25	39	8.6	7.2	13.2*
Chalk Creek #3	11J3	7500	2/25	30	6.0	1.0	6.9*
Farmington Canyon (lower)	11J12	6950	2/28	46	13.4	6.3	19.4*
Farmington Canyon (upper)	11J11	8000	2/28	50	14.8	11.8	22.5*
Horse Ridge	11H21	8260	2/24	44	13.1	13.4	- -
Kilfore Creek	11H31	7300	2/24	30	7.4	7.2	- -
Lamb's Canyon x	11J14	6600	2/28	34	7.0	5.1	13.5*
Lost Creek Reservoir	11H32	6125		No Report		0.0	- -
Parley's Canyon Smt.	11J15	7500	2/29	40	11.8	9.1	15.7*
Redden Mine (lower)	11J6	8500	2/26	37	9.1	9.2	16.9*
Redden Mine (upper)	11J5	9000	2/26	41	10.5	10.4	17.9*
Silver Lake x	11J16	8725	2/27	46	13.3	11.6	21.4*
Smith & Morehouse	11J4	7600	2/27	29	7.0	5.2	12.3*
Trial Lake x	10J8	9800	2/28	46	12.1	16.0	23.4*

## PROVO RIVER & UTAH LAKE

Camp Altamont	11J20	7300	2/28	28	8.4	3.4	16.3
Clear Creek Ridge #1	11K21	9200	2/26	36	9.3	8.8	15.2*
Clear Creek Ridge #2	11K22	8000	2/26	32	7.7	4.2	12.0*
Clear Creek Ridge #3	11K23	6600	2/26	18	4.1	0.6	7.0*
Daniels-Strawberry Smt.	11J23	8000	2/27	28	6.2	5.6	14.0
Dutchman R. S.	11J17	7500	2/29	28	7.8	8.8	18.0*
East Portal	11J7	7560	2/27	21	5.2	4.6	11.0*
Hobble Creek Summit	11J22	7300	2/27	32	8.8	5.2	13.4*
Packard Canyon	11J31	6400	2/27	27	6.5	2.6	10.5*
Payson R. S.	11K1	8050	2/27	39	11.2	6.4	15.5*
Rock Bridge	11K2	6750	2/27	36	9.2	2.7	10.7*
Soapstone R. S.	11J25	7800	2/28	28	6.5	7.9	12.0*
South Fork R. S.	11J19	6100	2/27	19	5.6	0.4	7.3*
Strawberry Divide	11J8	8000	2/27	40	10.4	11.2	18.1*
Timpanogos Cave Camp	11J18	5500	2/27	16	4.1	0.0	4.0*
Timpanogos Divide	11J21	8140	2/28	39	15.4	12.2	24.5
Trial Lake	10J8	9800	2/28	46	12.1	16.0	23.4*

## JORDAN RIVER & TOOELE VALLEY

Lamb's Canyon	11J14	6600	2/28	34	7.0	5.1	13.5*
Middle Canyon - Tooele	12J3	7000	2/26	42	11.0	2.0	11.3*
Mill D South Fork	11J10	7400	2/27	42	11.5	8.9	17.2*
Parley's Canyon Smt. x	11J15	7500	2/29	40	11.8	9.1	15.7*
Silver Lake	11J16	8725	2/27	46	13.3	11.6	21.4

(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. \* Estimated 1943-57, 15 year average.



# SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

## UPPER SEVIER RIVER (South of Richfield, Utah)

Big Flat x	12L7	10290	2/25	25	5.8	8.4	15.5*
Box Creek	12L4	9800	2/26	28	5.7	4.9	12.0*
Bryce Canyon	12M8	8000	2/28	7	1.3	0.0	4.5*
Castle Valley	12M13	9700	2/28	25	6.3	4.0	12.0*
Cedar Breaks	12M1	10390	2/26	24	5.8	5.0	19.2*
Duck Creek R.S.	12M4	8560	2/25	14	3.2	0.2	13.5*
Fish Lake	11L3	8700	2/25	14	2.2	T	7.3*
Harris Flat R.S.	12M5	7700	2/25	8	1.6	T	9.0*
Kimberly Mine	12L6	8900	2/24	34	7.5	6.4	14.0*
Long Valley Jct. x	12M6	7500	2/25	0	0.0	0.0	5.9*
Midway Valley	12M2	9800	2/26	33	8.5	5.2	20.1*
Panguitch Lake	12M7	8200	2/28	6	0.8	T	4.5*
Squaw Springs	12L5	9300	2/26	14	3.0	1.7	7.0*
Widtsoe-Escalante Smt.	11M1	9500	2/26	9	2.2	1.9	6.7*
Widtsoe-Escalante #2	11M2	9500	2/26	16	3.2	3.6	8.7*
Widtsoe-Escalante #3	11M3	9500	2/26	18	4.4	6.3	- -

## LOWER SEVIER RIVER (Including San Pitch River)

Bear Canyon	12L3	7200	2/27	32	7.2	1.6	9.2*
Beaver Dams	11K13	8000	2/25	33	7.2	7.4	10.1*
Farnsworth Lake	11L1	9900	2/27	48	12.2	10.3	15.1*
G.B.R.C. Headquarters	11K11	8700	2/28	34	9.3	8.5	13.6*
G.B.R.C. Meadows	11K10	10000	2/28	49	12.3	15.0	21.0*
Gooseberry R. S.	11L2	8400	2/27	37	9.0	6.2	9.3*
Gooseberry Reservoir x	11K4	8700	2/29	33	9.9	10.2	16.2*
Mammoth R.S.-Ctnwood Crk.	11K3	8800	2/29	37	10.4	10.8	17.1*
Mt. Baldy R.S.	11K12	9500	2/25	42	9.3	14.2	19.5*
Pine Creek	12L1	8700	3/2	43	10.3	9.3	13.3*
Rees's Flat	11K36	7300	2/24	30	6.7	4.8	9.4*
Shingle Mill	12L11	6200	2/27	33	7.1	0.6	- -

## BEAVER RIVER

Big Flat	12L7	10000	2/25	25	5.8	8.4	15.5*
Merchant's Valley	12L9	8200	2/25	10	1.9	1.7	9.0*
Otter Lake	12L8	9300	2/25	25	5.2	6.9	13.2*

## PAROWAN CREEK

Ed Ward Flat	12M12	8300	2/24	20	4.0	2.1	7.7*
Yankee Reservoir	12M11	8700	2/24	25	4.5	4.8	9.8*

(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. \* Estimated 1943-57, 15 year average.



# SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

## COAL CREEK

Cedar Breaks	12M1	10390	2/26	24	5.8	5.0	19.2*
Midway Valley x	12M2	9800	2/26	33	8.5	5.2	20.1*
Urie Flat	12M10	8450	2/26	10	2.5	0.0	7.8*
Webster Flat	12M3	9200	2/26	26	6.1	2.2	15.6*

## ENTERPRISE TO NEW HARMONY DRAINAGES

Little Grassy Creek	13M4	6100	2/27	1	0.5	0.0	- -
Long Flat	13M2	8000	2/27	8	1.7	1.0	5.7*

## COLORADO RIVER DRAINAGE

### UPPER GREEN RIVER IN UTAH (Tributaries above Flaming Gorge)

Black's Fork Jct.	10J22	8925	2/18	26	5.2	4.7	- -
Buck Pasture A	10J23	9700	2/26	36	8.0A	7.5A	- -
East Fk. Black's Fk.G.S.	10J21	9300	2/18	29	6.6	5.3	- -
Henry's Fork A	10J24	10200	2/26	37	8.1A	5.9A	- -
Hewinta Guard Station	10J4	9500	2/19	27	5.7	5.7	8.5*
Hickerson Park	9J8	9100	2/26	23	4.5	1.9	- -
Spirit Lake	9J7	10300	2/26	40	8.8	3.8	- -
Steel Creek Park	10J20	9900	2/19	44	9.4	7.5	- -

## BRUSH CREEK

King's Cabin (lower)	9J2	8600	2/25	17	3.2	1.8	8.7*
King's Cabin (upper)	9J1	8730	2/25	22	4.1	3.1	9.9*

## DUCHESNE RIVER

Ashley Twin Lakes A	9J11	10500	2/26	24	5.2A	2.4A	- -
Atwood Basin A	10J27	10250	2/27	27	6.0A	2.5A	- -
Chepeta-Whiterocks Lakes A	9J9	10300	2/27	29	6.4A	2.3A	- -
Daniels-Strawberry Smt.x	11J23	8000	2/27	28	6.2	5.6	14.0
East Portal x	11J7	7560	2/27	21	5.2	4.6	11.0*
Five Point Lake A	10J26	11000	2/27	45	10.8A	9.0A	- -
Indian Canyon	10K1	9100	2/27	17	3.0	5.9	10.7*
Julius Park	9J6	9800	2/28	24	5.2	5.0	- -
Lakefork Basin	10J25	11100	2/27	60	13.8A	N.R.	- -
Lakefork Mountain	10J10	10500	2/29	23	5.5	4.4	10.9*
Lakefork Mountain #2	10J11	8900	2/29	12	2.2	4.0	7.6*
Lakefork Mountain #3	10J12	8100	2/29	8	1.6	3.2	6.4*

(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. \* Estimated 1943-57, 15 year average.





# SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

## DUCHESNE RIVER - Continued

Mosby Mountain	9J5	9500	2/28	18	3.2	4.9	10.2*
Paradise Park	9J3	10100	2/28	16	3.6	3.6	11.8*
Reynolds Park A	9J10	10400	No Report			N.R.	- -
Soapstone R.S. x	11J25	7800	2/28	28	6.5	7.9	12.0*
Strawberry Divide x	11J8	8000	2/27	40	10.4	11.2	18.1*
Trial Lake x	10J8	9800	2/28	46	12.1	16.0	23.4*
Windy Park A	9J12	9400	2/26	21	4.0A	2.2A	- -

## PRICE RIVER

Corral	10K5	8200	2/28	11	1.7	1.5	8.0*
Dry Valley Divide	11K8	7800	2/26	20	3.7	3.4	10.7*
Gooseberry Reservoir	11K4	8700	2/29	33	9.9	10.2	16.2*
Grassy Trail Crk-Left Fk.	10K3	7970	2/28	15	2.0	1.6	9.0*
Indian Canyon x	10K1	9100	2/27	17	3.0	5.9	10.7*
Jones Ranch	11K7	7600	2/26	11	1.9	0.0	7.0*
Mammoth R.S.-Ctnwd Crk.x	11K3	8800	2/29	37	10.4	10.8	17.1*
Mud Creek #2	11K33	8300	2/26	23	4.4	5.6	11.5*
Timberline	10K6	9100	2/28	20	3.5	3.7	- -
White River #1	10K2	8600	2/27	28	5.8	5.0	12.2*
White River #2	11K24	7600	2/27	18	3.0	3.0	8.8*
White River #3	11K25	7400	2/27	16	3.0	0.3	8.9*

## SAN RAFAEL RIVER

Buck Flat	11K31	9400	2/25	27	6.0	10.6	13.5*
Gooseberry Reservoir	11K4	8700	2/29	33	9.9	10.2	16.2*
Mammoth R.S.-Ctnwd Crk.x	11K3	8800	2/29	37	10.4	10.8	17.1*
Red Pine Ridge	11K28	9400	2/26	33	7.5	8.6	15.3*
Rush Pond	11K38	9800	2/25	24	4.4	8.9	12.4*
Seely Creek R.S.	11K9	10000	2/28	19	6.6	9.8	13.0*
Upper Joe's Valley	11K29	8800	2/26	16	2.9	4.9	8.4*
Wrigley Creek	11K32	9000	2/25	17	2.9	5.5	9.1*

## MUDDY RIVER

Mt. Baldy R.S. x	11K12	9500	2/25	42	9.3	14.2	19.5*
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## FREMONT RIVER

Black's Flat-UM Creek	11L4	9250	2/25	21	4.2	3.8	9.0*
Farnsworth Lake x	11L1	9900	2/27	48	12.2	10.3	15.1*
Fish Lake	11L3	8700	2/25	14	2.2	T	7.3*
Johnson Valley	11L6	8850	2/25	15	3.0	1.4	6.5*

(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation; Water content estimated. \* Estimated 1943-57, 15 year average.



# SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE <sup>a</sup>

## ESCALANTE RIVER

Widtsoe-Escalante Smt.	11M1	9500	2/26	9	2.2	1.9	6.7
Widtsoe-Escalante #2	11M2	9500	2/26	16	3.2	3.6	8.7*
Widtsoe-Escalante #3	11M3	9500	2/26	18	4.4	6.3	- -

## VIRGIN RIVER

Cedar Breaks x	12M1	10390	2/26	24	5.8	5.0	19.2*
Duck Creek R.S.	12M4	8560	2/25	14	3.2	0.2	13.5*
Harris Flat R.S.	12M5	7700	2/25	8	1.6	T	9.0*
Long Valley Jct.	12M6	7500	2/25	0	0.0	0.0	5.9*
Midway Valley x	12M2	9800	2/26	33	8.5	5.2	20.1*
Webster Flat	12M3	9200	2/26	26	6.1	2.2	15.6*

## SOUTHEASTERN UTAH DRAINAGES

Buckboard Flat	9M1	9000	2/19	20	3.4	5.4	13.3*
Camp Jackson	9M2	8600	2/19	12	1.9	5.4	12.0*
LaSal Mountain	9L1	8800	2/20	17	2.8	6.2	9.8*
LaSal Mountain (upper)	9L2	9600	2/20	27	5.4	9.7	14.0*

(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation; Water content estimated. \* Estimated 1943-57, 15 year average.





# PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943-57 AVERAGE	THIS YEAR	1943-57 AVERAGE	PERCENT OF AVERAGE

a

a

## GREAT BASIN DRAINAGE

### UPPER BEAR RIVER

(Above Harer, Idaho)

Chalk Creek #2 *	8000	2/25	1.97	3.29	11.23	15.05	75
Chalk Creek #3 *	7500	2/25	1.62	- -	9.03	- -	--
Monte Cristo #2	8960	2/26	2.11	- -	15.19	- -	--
Salt River Summit	7900	2/27	1.28	2.69	12.78	15.59	82
Trial Lake *	9800	2/28	1.49	3.69	10.75	19.84	54

### LOWER BEAR RIVER

(Below Harer, Idaho)

Dry Bread Pond	8230	2/26	1.40	3.06	12.23	18.56	66
Garden City Summit	7600	2/27	1.06	2.50	12.47	14.90	84
Klondike Narrows	7400	2/28	2.06	3.10	16.45	18.55	89
Little Bear (upper)	6850	2/25	- -	- -	11.00	16.42	67
Monte Cristo #2	8960	2/26	2.11	- -	15.19	- -	--
Tony Grove R.S.(SCS)	6250	2/27	1.10	- -	10.47	- -	--
Willow Flat	6100	2/26	1.85	3.19	13.25	19.48	68

### OGDEN RIVER

Ben Lomond(lower)	5850	2/27	0.75	4.22	17.13	22.02	78
Ben Lomond Trail	6000	2/27	0.74	- -	17.75	- -	--
Causey Dam	5500	2/26	0.49	- -	9.24	- -	--
Dry Bread Pond	8230	2/26	1.40	3.06	12.23	18.56	66
Horse Ridge	8260	2/24	- -	- -	14.41	- -	--
Monte Cristo #2*	8960	2/26	2.11	- -	15.19	- -	--
Sagebrush Flat	6300	2/26	0.55	1.98	8.48	12.13	70

### WEBER RIVER

Chalk Creek #2	8000	2/25	1.97	3.29	11.23	15.05	75
Chalk Creek #3	7500	2/25	1.62	- -	9.03	- -	--
Farmington Guard Sta.(1)	7500	2/28	1.24	3.80a	16.12	24.37a	66
Farmington Rice (1)	7000	2/28	1.36	3.69a	15.87	22.21a	71
Horse Ridge	8260	2/24	- -	- -	14.41	- -	--
Lost Creek Reservoir	6125	2/24	- -	- -	5.46	- -	--
Parley's Canyon Smt.	7500	2/29	1.56	3.81	12.90	17.68	73
Silver Lake(Brighton)*(2)	8725	2/29	1.53	4.39a	15.73	23.96a	66
Smith & Morehouse	7600	2/27	1.95	2.90	11.36	15.10	75
Trial Lake *	9800	2/28	1.49	3.69	10.75	19.84	54

(1) Data supplied by U.S.Forest Service

\* Adjacent Drainage

(2) Data supplied by U.S.WB

a All values estimated except those where symbol "a" occurs.



# PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943-57 AVERAGE	THIS YEAR	1943-57 AVERAGE	PERCENT OF AVERAGE

a

a

## PROVO RIVER & UTAH LAKE

Clear Creek Ridge #2	8000	2/26	1.55	2.23	8.50	13.13	65
Daniels-Strawberry Smt.	8000	2/27	1.70	2.50	9.67	13.60	71
Dutchman R.S.	7500	2/29	- -	- -	11.68	22.35	52
East Portal Ridge	7800	2/27	1.20	- -	9.74	- -	- -
Hobble Creek Smt.	7300	2/27	- -	- -	9.66	13.48	72
Payson R.S.	8050	2/27	2.78	2.31	13.22	14.81	89
Soapstone R.S.	7800	2/28	1.45	2.80	11.54	14.55	79
Strawberry Res.-E. Portal	7606	2/27	0.50	1.09	6.04	7.74	78
Timpanogos Divide	8200	2/28	0.45	4.17a	14.74	23.04a	64
Trial Lake	9800	2/28	1.49	3.69	10.75	19.84	54

## JORDAN RIVER & TOOELE VALLEY

Middle Canyon	7000	2/27	2.40	2.84	13.54	14.63	93
Mt. Dell Dam (2)	5500	2/29	0.38	1.82a	7.98	10.97a	73
Parley's Canyon Smt.	7500	2/29	1.56	3.81	12.90	17.68	73
Silver Lake(Brighton)(2)	8725	2/29	1.53	4.39a	15.73	23.96a	66

## SEVIER RIVER ABOVE RICHFIELD

Big Flat *	10290	2/25	0.50	3.50	6.47	14.48	45
Box Creek	9800	2/26	- -	- -	6.80	12.43	55
Castle Valley	9700	2/28	- -	- -	6.68	10.39	64
Cedar Breaks	10390	2/26	0.80	- -	8.20	- -	--
Duck Creek R.S.	8560	2/25	0.95	3.68	8.18	14.43	57
Fish Lake	8700	2/25	- -	0.65	3.90	5.11	76
Kimberly Mine	8900	2/24	- -	- -	11.01	15.73	70
Panguitch Lake	8200	2/28	- -	- -	3.08	5.94	52
Webster Flat *	9200	2/26	0.93	4.40	8.18	15.60	52
Widtsoe-Escalante #3	9500	2/26	0.43	1.66	5.85	9.89	59
Widtsoe R.S.	7600	2/26	0.13	0.59a	2.18	4.14a	53

## SEVIER RIVER BELOW RICHFIELD (Including San Pitch River)

Beaver Dams	8000	2/25	- -	- -	6.86	11.75	58
Farnsworth Lake	9900	2/27	4.62	3.85	13.00	15.35	85
G.B.R.C. Headquarters(1)	8700	2/28	1.90	2.79a	9.85	14.55a	68
G.B.R.C. Meadows (1)	10000	2/28	2.68	2.84a	12.48	15.14a	82
G.B.R.C. Oaks (1)	7655	2/28	1.21	1.89a	6.64	10.13a	66
Gooseberry R.S. (1)	7800	2/27	2.90	1.45	8.85	9.55	93
Gooseberry Reservoir *	8700	2/29	1.27	2.62	9.45	14.22	66
Mammoth R.S. #2 *	8600	2/29	1.39	2.60	10.12	14.15	72
Mt. Baldy	9500	2/25	- -	- -	8.43	- -	--
Pine Creek	8700	3/2	- -	- -	13.42	19.70	68
Shingle Mill	6200	2/27	2.40	- -	8.87	- -	--

(1) Data supplied by U.S.Forest Service  
\* Adjacent Drainage

(2) Data supplied by U.S. WB  
a All values estimated except  
those where symbol "a" occurs



# PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943-57 AVERAGE	THIS YEAR	1943-57 AVERAGE	PERCENT OF AVERAGE
				a		a	
<u>BEAVER RIVER</u>							
Beaver Canyon P.H. (2)	7275	2/26	0.25	1.78a	6.14	8.26a	74
Big Flat	10290	2/25	0.50	3.50	6.47	14.48	45
<u>PAROWAN CREEK</u>							
Yankee Reservoir	8700	No Report - -				9.47	
<u>COAL CREEK</u>							
Cedar Breaks	10390	2/26	0.80	- -	8.20	- -	--
Webster Flat*	9200	2/26	0.93	4.40	8.18	15.60	52
<u>ENTERPRISE TO NEW HARMONY DRAINAGE</u>							
Little Grassy Creek	6100	2/27	- -	- -	4.80	9.77	49
Long Flat	8000	2/27	- -	- -	4.97	10.25	48
COLORADO RIVER DRAINAGE							
<u>UPPER GREEN RIVER IN UTAH</u> (Tributaries above Flaming Gorge)							
Black's Fork Jct.	8925	2/18	- -	- -	7.06	- -	--
E.F. Black's Fk. G.S.	9300	2/18	- -	- -	8.33	- -	--
Hewinta G. S.	9500	2/19	- -	- -	8.18	- -	--
Spirit Lake	10300	2/26	- -	- -	9.50	- -	--
<u>BRUSH CREEK</u>							
King's Cabin (upper)	8730	2/25	- -	- -	4.90	11.56	42
<u>DUCHESNE RIVER</u>							
Daniels-Strawberry Smt.*	8000	2/27	1.70	2.50	9.67	13.60	71
East Portal Ridge *	7800	2/27	1.20	- -	9.74	- -	--
Indian Canyon	9100	2/27	0.62	- -	4.30	- -	--
Julius Park	9800	2/28	0.55	2.43	4.87	12.93	38
Lakefork Mountain	10500	2/29	0.45	2.41	6.65	12.26	54
Moon Lake	8150	2/28	0.15	1.01a	3.15	7.72a	41
Paradise Park	10100	2/28	0.50	2.60	5.65	13.60	42
Soapstone R.S.*	7800	2/28	1.45	2.80	11.54	14.55	79
Strawberry Res.-E. Portal*	7606	2/27	0.50	1.09	6.04	7.74	78
Trial Lake*	9800	2/28	1.49	3.69	10.75	19.84	54

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\* Adjacent Drainage

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a All values estimated except those where symbol "a" occurs





# PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943-57 AVERAGE	THIS YEAR	1943-57 AVERAGE	PERCENT OF AVERAGE

## PRICE RIVER

Clear Creek Ridge #2*	8000	2/26	1.55	2.23	8.50	13.13	65
Gooseberry Reservoir	8700	2/29	1.27	2.62	9.45	14.22	66
Indian Canyon	9100	2/27	0.62	- -	4.30	- -	--
Mammoth R.S. #2	8600	2/29	1.39	2.60	10.12	14.15	72
Mud Creek	8300	2/26	0.75	2.37	6.20	13.37	46
White River #1	8600	2/27	- -	- -	6.95	13.11	53

## SAN RAFAEL RIVER

Buck Flat	9400	2/25	1.20	2.53	7.05	13.13	54
G.B.R.C. Meadows *(1)	10000	2/28	2.68	2.84 <sub>a</sub>	12.48	15.14 <sub>a</sub>	82
Gooseberry Reservoir *	8700	2/29	1.27	2.62	9.45	14.22	66
Red Pine Ridge	9400	2/26	1.80	3.75	8.55	16.62	51
Stuart R.S.	7950		No Report	- -	- -	- -	

## MUDDY RIVER

Mt. Baldy R.S.*	9500	2/25	- -	- -	8.43	- -	--
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## FREMONT & ESCALANTE RIVERS

Black's Flat-U.M. Creek	9250	2/25	- -	- -	4.70	9.70	48
Farnsworth Lake*	9900	2/27	4.62	3.85	13.00	15.35	85
Fish Lake	8700	2/25	- -	0.65	3.90	5.11	76
Widtsoe-Escalante #3	9500	2/26	0.43	1.66	5.85	9.89	59

## VIRGIN RIVER

Duck Creek R.S.	8560	2/25	0.95	3.68	8.18	14.43	57
Webster Flat	9200	2/26	0.93	4.40	8.18	15.60	52

## SOUTHEASTERN UTAH DRAINAGES

Buckboard Flat	9000	2/19	- -	- -	6.33	15.75	40
Camp Jackson	8600	2/19	- -	- -	4.85	12.92	38
LaSal Mountain (upper)	9600	2/20	- -	- -	7.25	16.00	45

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# Agencies Cooperating in Utah Snow Surveys

## U. S. GOVERNMENT AGENCIES

U. S. Department of Agriculture  
Soil Conservation Service  
Forest Service  
U. S. Department of Commerce  
Weather Bureau  
U. S. Department of Interior  
Bureau of Reclamation  
Geological Survey  
National Park Service

## STATE AGENCIES

Utah Agricultural Experiment Station  
Utah Fish and Game Department  
Utah State Engineer  
Bear River Commissioner  
Price River Commissioner  
Provo River Commissioner  
Sevier River Commissioners  
Spanish Fork River Commissioner  
Utah Lake and Jordan River Commissioner  
Utah Water and Power Board

## MUNICIPALITIES

Manti  
Salt Lake City

## ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association  
Board of Canal Presidents - Jordan River  
Emery Canal and Reservoir Company  
Moon Lake Water Users Association  
Ogden River Water Users Association  
Provo River Water Users Association  
Strawberry Water Users Association  
Sevier River Water Users Association

## PRIVATE AGENCIES

Kaiser Steel Corporation

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